

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>09/486,094A</u>
-----------------------	-----------------------------	--

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) 15 contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES) Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/486,094A

DATE: 10/03/2002
TIME: 13:59:54

Input Set : A:\#396215 v1 - A33002-PCT-USA Sequence Listing.txt
Output Set: N:\CRF4\10032002\I486094A.raw

Does Not Comply
Corrected Diskette Needed

p.4

```

4 <110> APPLICANT: Freyssinet, Georges
5      Deroze, Richard
6      Hoffman, Jules
8 <120> TITLE OF INVENTION: GENE CODING FOR ANDOCTONINE, VECTOR
9      CONTAINING SAME AND TRANSFORMED DISEASE RESISTANT PLANTS
10     OBTAINED
12 <130> FILE REFERENCE: A33002-PCT-USA (072667.0124)
14 <140> CURRENT APPLICATION NUMBER: 09/486,094A
15 <141> CURRENT FILING DATE: 2000-07-17
17 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01814
18 <151> PRIOR FILING DATE: 1998-08-18
20 <150> PRIOR APPLICATION NUMBER: FR97/10632
21 <151> PRIOR FILING DATE: 1997-08-20
23 <160> NUMBER OF SEQ ID NOS: 15
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 110
29 <212> TYPE: DNA
30 <213> ORGANISM: Androctonus australis
32 <400> SEQUENCE: 1
33 aggtccgtgt gcaggcagat caagatctgc aggaggaggg gtggttgcta ctacaagtgc 60
34 actaacaggc catactgagc tcggcgaggc gaacgtgtcg acggatccgg           110
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 25
38 <212> TYPE: PRT
39 <213> ORGANISM: Androctonus australis
41 <400> SEQUENCE: 2
42 Arg Ser Val Cys Arg Gln Ile Lys Ile Cys Arg Arg Arg Gly Gly Cys
43   1           5           10          15
44 Tyr Tyr Lys Cys Thr Asn Arg Pro Tyr
45   20          25
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 106
50 <212> TYPE: DNA
51 <213> ORGANISM: Androctonus australis
53 <400> SEQUENCE: 3
54 gcgtcgacgc catgggttgc gtgctttct ctcagttcc atcttcctt ctttgttcta 60
55 ctcttcttct tttccttgat atctctcaact cttgccgtgc cggcga           106
57 <210> SEQ ID NO: 4
58 <211> LENGTH: 30
59 <212> TYPE: PRT
60 <213> ORGANISM: Androctonus australis
62 <400> SEQUENCE: 4

```

RAW SEQUENCE LISTING DATE: 10/03/2002
PATENT APPLICATION: US/09/486,094A TIME: 13:59:54

Input Set : A:\#396215 v1 - A33002-PCT-USA Sequence Listing.txt
Output Set: N:\CRF4\10032002\I486094A.raw

63 Met Gly Phe Val Leu Phe Ser Gln Leu Pro Ser Phe Leu Leu Val Ser
64 1 5 10 15
65 Thr Leu Leu Leu Phe Leu Val Ile Ser His Ser Cys Arg Ala
66 20 25 30
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 211
71 <212> TYPE: DNA
72 <213> ORGANISM: Androctonus australis
74 <400> SEQUENCE: 5
75 gcgtcgacgc catgggttcc gtgctttct ctcagcttcc atcttcctt ctttgttcta 60
76 ctcttcttct ttcccttgat atctctcaact cttgcgtgc caggccgtg tgcaggcaga 120
77 tcaagatctg caggaggagg ggtggttgtactacaagtgc actaacagg ccataactgag 180
78 ctcggcgagg cgaacgtgtc gacggatccg g 211
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 55
82 <212> TYPE: PRT
83 <213> ORGANISM: Androctonus australis
85 <400> SEQUENCE: 6
86 Met Gly Phe Val Leu Phe Ser Gln Leu Pro Ser Phe Leu Leu Val Ser
87 1 5 10 15
88 Thr Leu Leu Leu Phe Leu Val Ile Ser His Ser Cys Arg Ala Arg Ser
89 20 25 30
90 Val Cys Arg Gln Ile Lys Ile Cys Arg Arg Arg Gly Gly Cys Tyr Tyr
91 35 40 45
92 Lys Cys Thr Asn Arg Pro Tyr
93 50 55
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 75
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Synthetic oligonucleotide
104 <400> SEQUENCE: 7
105 gcgtcgacgc gatgggttcc gtgctttct ctcagcttcc atcttcctt ctttgttcta 60
106 ctcttcttct ttcc 75
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 72
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Synthetic oligonucleotide
116 <400> SEQUENCE: 8
117 tcgcccggcac ggcaagagta agagatcaca aggaaaagaa gaagagtaga cacaagaagg 60
118 aaagatggaa gc 72
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 44
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 10/03/2002
 PATENT APPLICATION: US/09/486,094A TIME: 13:59:54

Input Set : A:\#396215 v1 - A33002-PCT-USA Sequence Listing.txt
 Output Set: N:\CRF4\10032002\I486094A.raw

```

126 <223> OTHER INFORMATION: Synthetic oligonucleotide
128 <400> SEQUENCE: 9
129 aggtccgtgt gcaggcagat caagatctgc aggaggaggg gtgg 44
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 97
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Synthetic oligonucleotide
139 <400> SEQUENCE: 10
140 ccggatccgt cgacacgttc gcctcgccga gctcagtatg gcctgttagt gcacttgttag 60
141 tagcaaccac ccctcctcct gcagatcttg atctgcc 97
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 85
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Synthetic oligonucleotide
151 <400> SEQUENCE: 11
152 agggccccct agggttaaa cggccagtca ggccgaattc gagctcggtt cccggggatc 60
153 ctcttagatgc gacctgcagg catgc 85
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 66
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic oligonucleotide
163 <400> SEQUENCE: 12
164 ccctgaacca ggctcgaggg cgcgccttaa ttaaaagctt gcatgcctgc aggtcgactc 60
165 tagagg 66
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 93
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Synthetic oligonucleotide
175 <400> SEQUENCE: 13
176 cggccagtc aggccacact taattaagtt taaacgcggc cccggcgccg ctaggtgtgt 60
177 gctcgagggc ccaacctcgat tacctggttc agg 93
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 93
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Synthetic oligonucleotide
187 <400> SEQUENCE: 14
188 cggcctgaa ccaggtactg aggttggccc ctcgagcaca cacctaggcg cgccggggcc 60
189 gcgtttaaac ttaattaagt gtggcctgac tgg 93
191 <210> SEQ ID NO: 15

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/486,094A

DATE: 10/03/2002

TIME: 13:59:54

Input Set : A:\#396215 v1 - A33002-PCT-USA Sequence Listing.txt
 Output Set: N:\CRF4\10032002\I486094A.raw

```

192 <211> LENGTH: 9
193 <212> TYPE: PRT
194 <213> ORGANISM: Androctonus australis
196 <220> FEATURE:
197 <221> NAME/KEY: VARIANT
198 <222> LOCATION: 1
199 <223> OTHER INFORMATION: Xaa = a peptide of at least one amino acid
201 <221> NAME/KEY: VARIANT
202 <222> LOCATION: 3
203 <223> OTHER INFORMATION: Xaa = a peptide of at least five amino acids
W--> 205 <221> VARIANT
206 <222> LOCATION: 5
207 <223> OTHER INFORMATION: Xaa = a peptide of at least five amino acids
W--> 209 <221> VARIANT
210 <222> LOCATION: 7
211 <223> OTHER INFORMATION: Xaa = a peptide of at least three amino acids
W--> 213 <221> VARIANT
214 <222> LOCATION: 9
215 <223> OTHER INFORMATION: Xaa = a peptide of at least one amino acid
W--> 217 <400> 15
W--> 218 Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa
219 1 5

```

variable length is
not permitted. Xaa can only
represent a single amino acid.

see item 5 on Error Summary

— Sheet

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/03/2002
PATENT APPLICATION: US/09/486,094A TIME: 13:59:55

Input Set : A:\#396215 v1 - A33002-PCT-USA Sequence Listing.txt
Output Set: N:\CRF4\10032002\I486094A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:15; Xaa Pos. 1,3,5,7,9

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/486,094A

DATE: 10/03/2002

TIME: 13:59:55

Input Set : A:\#396215 v1 - A33002-PCT-USA Sequence Listing.txt
Output Set: N:\CRF4\10032002\I486094A.raw

L:205 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:209 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:213 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:217 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0